

# Converting Colors

XYZ(75.8168, 84.5048, 90.1570)

Have a look what the booklet for  
XYZ(75.8168, 84.5048, 90.1570)  
contains.

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# Color

**XYZ(75.8168, 84.5048,  
90.1570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF2EA
RGB	219, 242, 234
RGB Percent	86%, 95%, 92%
CMY	0.1412, 0.0510, 0.0823
CMYK	0.10, 0.00, 0.03, 0.05
HSL	159°, 47%, 90%
HSV	159°, 10%, 95%
XYZ	75.8168, 84.5048, 90.1570
YIQ	234.2110, -11.1400, -7.3640

# Conversions

## Conversions Part 2

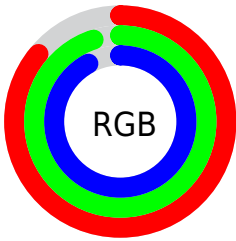
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	219, 233, 242
Decimal	14414570
CIE Lab	93.67, -9.00, 1.28
CIE LCh	94, 9.094, 171.916
Yxy	84.5048, 0.3027, 0.3374
Android (android.graphics.Color)	4292604650 (0xFFDBF2EA)
YUV	234.2110, -0.1040, -13.3400
Hunter-Lab	91.9265, -13.6527, 6.1998

# Details

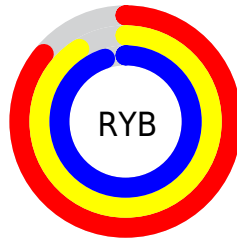
The XYZ color **75.8168, 84.5048, 90.1570** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.8176, 75.0885, 83.1744**, and the grayscale version is **78.3753, 82.4569, 89.7956**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9046, 46.2247, 48.8858** is the 20% darker color. If you saturate the color by 10%, you get **67.8782, 80.5511, 83.6213**, and if you desaturate by 10%, it is **84.8762, 89.0343, 97.0488**.

# Distribution



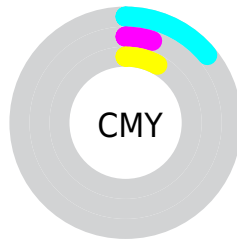
- Red (86%)
- Green (95%)
- Blue (92%)



- Red (86%)
- Yellow (91%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)




- Cyan (14%)
- Magenta (5%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8168, 84.5048, 90.1570 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.8168, 84.5048, 90.1570 by changing the saturation by 10% instead.




 75.8168, 84.5048,  
90.1570

 75.8168, 84.5048,  
90.1570


469.6744,  
509.9880, 549.1247

 56.5788, 63.4323,  
67.5364

126.4496,  
139.6811, 149.4939

 40.9060, 46.1910,  
49.0564

158.5752,  
174.5537, 187.0473

 28.4330, 32.3966,  
34.2983


195.7274,  
214.7951, 230.4153

 18.7944, 21.6646,  
22.8436

238.2715,  
260.7897, 280.0166

 11.6250, 13.6107,  
14.2739

286.5729,  
312.9219, 336.2696

 6.5592, 7.8504,  
8.1705

340.9969,

 3.2319, 3.9994,

371.5761, 399.5930

4.1149

401.9090,  
437.1367, 470.4051

■ 1.2775, 1.6732,  
1.6886

■ 0.1663, 0.4062,  
0.3529

■ 75.8168, 84.5048,  
90.1570

■ 75.8168, 84.5048,  
90.1570

■ 67.8782, 80.5511,  
83.6213

■ 84.8762, 89.0343,  
97.0488

■ 61.0069, 77.1387,  
77.4298

■ 90.3814, 91.7225,  
104.0767

■ 55.1557, 74.2458,  
71.5779

■ 91.0437, 91.9874,  
107.5646

■ 50.2710, 71.8448,  
66.0588

■ 46.2941, 69.9054,  
60.8652

■ 43.1597, 68.3943,  
55.9897

■ 40.7933, 67.2729,  
51.4241

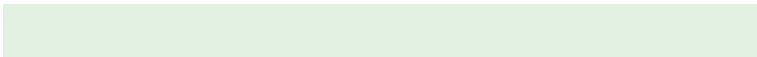
■ 39.1064, 66.4960,  
47.1596

■ 37.9593, 65.9914,  
43.1848

# Harmonies

## Analogous

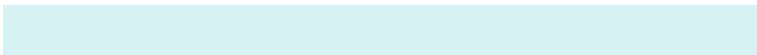
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7257, 84.5048, 84.0633



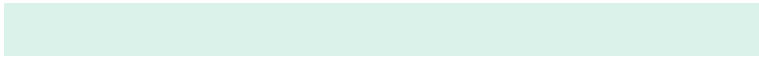
75.8168, 84.5048, 90.1570



76.0951, 84.5048, 97.0558

# Triad

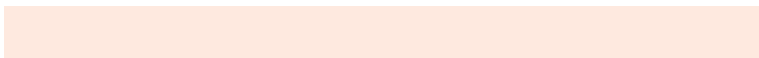
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8168, 84.5048, 90.1570



82.0618, 84.5048, 104.8851



83.2126, 84.5048, 81.9528

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



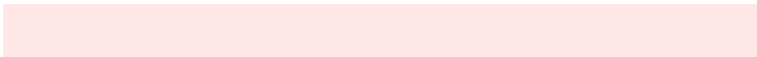
75.8168, 84.5048, 90.1570



75.8176, 75.0885, 83.1744

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6969, 84.5048, 87.1449



75.8168, 84.5048, 90.1570



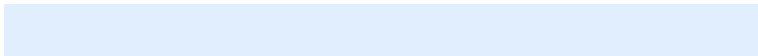
84.0233, 84.5048, 100.4453

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



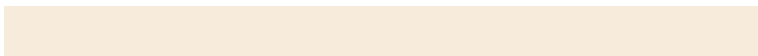
75.8168, 84.5048, 90.1570



79.6692, 84.5048, 105.7906



84.9966, 84.5048, 93.8910



80.9729, 84.5048, 79.4838

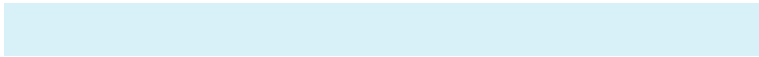


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



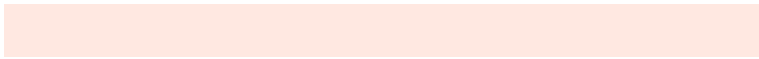
75.8168, 84.5048, 90.1570



76.9191, 84.5048, 101.1678



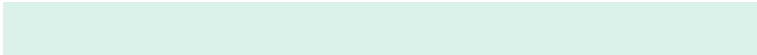
84.9966, 84.5048, 93.8910



83.8182, 84.5048, 83.4248

# Sweetspot

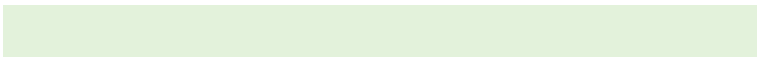
The Sweet Spot groups the original color and five complimentary colors.



75.8192, 84.5084, 90.1589



91.8657, 98.4076, 106.5296



76.2354, 84.9615, 79.4002



19.4851, 20.9743, 22.6674



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

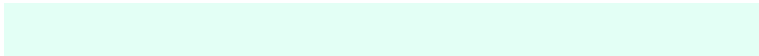


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8192, 84.5084, 90.1589



83.9410, 94.4500, 100.3855



75.9781, 82.9441, 96.0139



16.0002, 17.8301, 19.0239



20.4307, 35.4643, 23.4490



1.7464, 2.9690, 2.1970



# Inverse Universe

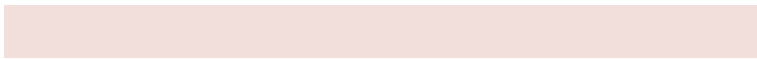
The Inverse Universe completely reimagines the original color for something new.



75.8176, 75.0885, 83.1744



83.9390, 82.2683, 91.3536



75.6478, 76.4759, 77.7933



15.9998, 15.8497, 17.5554



20.5935, 10.5098, 5.7757

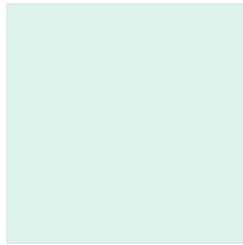


1.7585, 0.8924, 0.7191



# Previews

## White Background



This preview shows how the XYZ color 75.8168, 84.5048, 90.1570 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

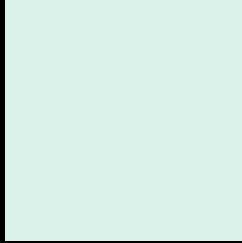
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8168, 84.5048, 90.1570 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

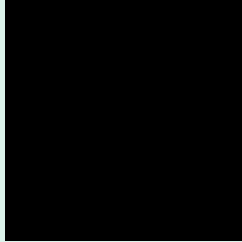
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

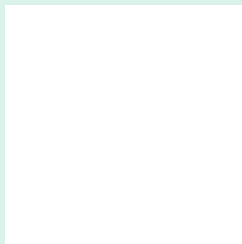
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.8168, 84.5048, 90.1570

## Background



This preview shows how black text looks on a background with the XYZ color 75.8168, 84.5048, 90.1570.



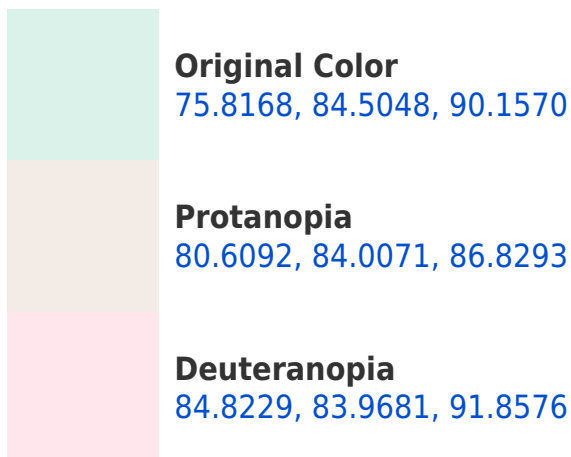
This preview shows how white text looks on a background with the XYZ color 75.8168, 84.5048,

90.1570.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

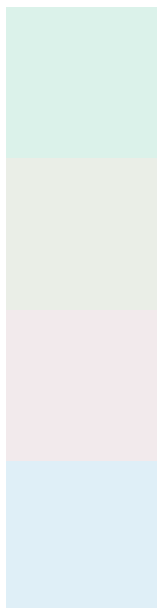




## Tritanopia

79.6759, 84.3766, 106.6947

# Trichromacy



## Original Color

75.8168, 84.5048, 90.1570

## Protanomaly

78.9300, 84.4110, 87.7342

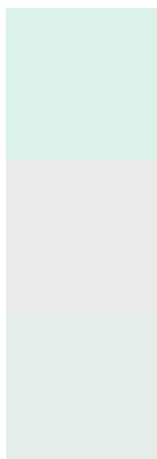
## Deuteranomaly

81.1811, 83.7790, 91.2491

## Tritanomaly

78.0864, 84.1364, 100.1200

# Monochromacy



## Original Color

75.8168, 84.5048, 90.1570

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.4486, 83.1669, 89.8127

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8168, 84.5048, 90.1570 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(219, 242, 234) looks like.

```
.text, #text, p{  
    color:rgb(219, 242, 234)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(219, 242, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 242, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8168, 84.5048, 90.1570 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 242, 234) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(219, 242, 234) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(219, 242, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 242, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 242, 234);  
box-shadow:4px 4px 4px 4px rgb(219, 242,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8168, 84.5048, 90.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 242, 234) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(219,  
242, 234) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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